
**CHECKLIST #0405 FOR THE APPROVAL OF:
FRAME STRUCTURES and PANELS USED IN OPEN STRUCTURES**

- Basic Requirements Checklist.
- One set of the manufacturer's 'approval document'.
- Calculations verifying structural results of the tested framework/panel including:
 - a) Bending, shear, axial and combined stresses on the frame,
 - b) Deflection limits on the frame, siding and roofing (See the FBC chapter 16),
 - c) Foundation support and overturning of the entire structure, and
 - d) Fasteners and connectors.
- Certified inspection report from mill supplying the metal panel material indicating:
 - a) Chemical composition, and
 - b) Structural properties. (I.e. Fu, Fy, E & Elongation.)
- One set of manufacturer's design drawings marked and verified by the testing laboratory.

The following current laboratory tests and test reports in compliance with protocol TAS 301.

- Uniform static air test per TAS 202. (for panels only)
- Gravity test load per FBC chapter 16. (for framework only)
- Test verifying structural properties of materials used.

Notes:

1. For fabric covered framework's design pressure requirements see chapter 16 of the FBC.
2. If the structure has plastic as a component, add the plastics checklist to these requirements.
3. Metal siding and roof decking shall be designed without increase on stresses.
4. Specimen tested with 2.5'- 5.0'- 2.5' span shall have a 2.5:1 safety factor.
5. Specimen tested with 5.0' continuous span shall have a 2:1 safety factor.

